

Title (en)

HIGH EFFICIENCY TRANSFECTION BASED ON LOW ELECTRIC FIELD STRENGTH, LONG PULSE LENGTH

Title (de)

HOCHEFFIZIENTE TRANSFEKTION MITTELS NIEDRIGER ELEKTRISCHER FELDSTÄRKE UND LANGER PULSDAUER

Title (fr)

TRANSFECTION TRES EFFICACE UTILISANT UNE FAIBLE INTENSITE DE CHAMP ELECTRIQUE ET UNE LONGUE DUREE D'IMPULSION

Publication

**EP 1194574 A4 20030402 (EN)**

Application

**EP 99928868 A 19990625**

Priority

US 9914447 W 19990625

Abstract (en)

[origin: WO0100856A1] A method is provided for introducing nucleic acid into a cell, by contacting the cell with a nucleic acid and applying a low electrical field impulse for a long pulse length. A method is provided for introducing a polypeptide into a cell, by contacting the cell with the polypeptide and applying a low electrical field impulse for a long pulse length.

IPC 1-7

**C12N 15/63**; **C12N 15/09**

IPC 8 full level

**C12N 15/09** (2006.01); **C12N 15/63** (2006.01); **C12N 15/87** (2006.01)

CPC (source: EP)

**C12N 15/87** (2013.01)

Citation (search report)

- [X] WO 9901158 A1 19990114 - RHONE POULENC RORER SA [FR], et al
- [A] WO 9707826 A1 19970306 - CBR LAB INC [US], et al
- [X] AIHARA H ET AL: "GENE TRANSFER INTO MUSCLE BY ELECTROPORATION IN VIVO", NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 16, no. 9, September 1998 (1998-09-01), pages 867 - 870, XP001061636, ISSN: 1087-0156
- See references of WO 0100856A1

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DOCDB simple family (publication)

**WO 0100856 A1 20010104**; AU 4584299 A 20010131; AU 783432 B2 20051027; CA 2377565 A1 20010104; EP 1194574 A1 20020410; EP 1194574 A4 20030402; EP 1829973 A2 20070905; EP 1829973 A3 20080109

DOCDB simple family (application)

**US 9914447 W 19990625**; AU 4584299 A 19990625; CA 2377565 A 19990625; EP 07010185 A 19990625; EP 99928868 A 19990625